



HALEY & ALDRICH, INC.
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August 25, 2026
File No. 0211090-005

Associated Electric Cooperative, Inc.
2814 South Golden Avenue
P.O. Box 754
Springfield, Missouri 65801-0754

Attention: Blake Pinkerton – Manager, Land and Water Resources

Subject: Assessment Monitoring Program March 2026 Sampling Event
Statistically Significant Level Notification
New Madrid Power Plant – Pond 003

Dear Mr. Pinkerton:

Associated Electric Cooperative, Inc. (AECI) has implemented the U.S. Environmental Protection Agency Federal Coal Combustion Residuals Rule (Title 40 Code of Federal Regulations [40 CFR] § 257 and § 261) effective October 19, 2015, along with subsequent revisions, for the New Madrid Power Plant in Marston, Missouri. AECI provided Haley & Aldrich, Inc. with groundwater monitoring data collected from the Pond 003 groundwater monitoring system that meet the requirements of 40 CFR § 257.91 and § 257.93. This memorandum documents the results of statistical tests conducted to determine if Appendix IV groundwater monitoring constituents detected in wells downgradient of Pond 003 are present at a statistically significant level (SSL) above groundwater protection standards (GWPS) consistent with the requirements in 40 CFR § 257.95.

Results of the statistical analyses completed on July 24, 2026, of the March 2026 assessment monitoring sampling event data for each analyte/well combination indicate an SSL above GWPS at Pond 003. Consistent with statistical analyses completed for previous assessment monitoring events, molybdenum was indicated as an SSL at monitoring wells MW-7, MW-8, MW-9, P-2, P-3, and P-5 for the March 2026 event.

Sincerely yours,
HALEY & ALDRICH, INC.

A handwritten signature in black ink, appearing to read "Steve Putrich".

Steve Putrich, P.E.
Project Principal

A handwritten signature in blue ink, appearing to read "Mark Nicholls".

Mark Nicholls, P.G.
Principal Hydrogeologist